

MVP Module 7 Assignment Sheet

The standards for this module are:

- **7A: coordinate computation** Students use coordinates for computational purposes.
- **7B: loci** Students translate between geometric objects on a coordinate plane and their equations.
- **7C: coordinate proof** Students use coordinates to prove geometric theorems algebraically.
- **7D: function transformation** Students understand and use geometric transformations of functions to produce new functions.
- **7E: vectors** Students understand and use vectors and vector arithmetic.
- **7F: matrix properties** Students understand and use properties of matrix arithmetic (including identity, inverse, associative, and commutative).
- **7G: determinant** Students calculate and interpret determinants of 2×2 matrices.

The assignments for this module are:

due date	assignment	standard(s)
Thursday, April 13	pp. 7-9 #7-10, 12-15 choose two, (16 or 17); pp. 15-17 #2, 4-10 (prove just one), 13-15; pp. 22-23 #1-4, 5-10 choose three	7A , 7C, and 7D
Tuesday, April 18	pp. 26-28 #1-4 choose two, 6, 7, 9; pp. 31-32 #1-3 choose two (explain “spread”), 4-9 choose two, 10; pp. 36-37 #1-7	7D
Friday, April 21	pp. 42-43 #2, 4, 8, 9 (for #4 and 8, determine magnitude); pp. 48-49 #1 choose two parts, 2-7 • Write an equation for a circle with center $(3, -2)$ passing through $(-1, 1)$. • Determine the center and radius of the circle whose equation is $(x + 4)^2 + (y - 5)^2 = 64$.	7A, 7B, 7C, 7E, and 7G
Tuesday, April 25	pp. 54-56 #1-7, 11, 12; pp. 59-60 #1a, (b or c), (d or e), 2 all, 3 choose one part, 4-10	7F and 7G
Friday, April 28	pp. 65-67 #1, 3-8; pp. 70-72 #1, 5-7 (do not round), 8 choose two parts	7A, 7E, 7F, and 7G

The homework quota for this module is three assignments.